APPENDIX D

ALKALINITY CONCENTRATION GRAPHS

BENCHMARK LOCATIONS

Figure D-1 — Banks Alkalinity Concentration: 1/90 - 3/94

Notes: The alkalinity concentration at Banks ranges around 70 mg/l from a low of about 50 to a high of about 90 mg/l. The evidence for seasonal trends is not strong. It may be that concentrations are somewhat higher in the spring and lower in late summer.

Figure D-2 — Greene's Landing Alkalinity Concentration: 1/90 - 9/93

Notes: The alkalinity concentration at Greene's Landing ranges around 60 mg/l, lower than at Banks. No seasonal trend was apparent.

Figure D-3 — Vernalis Alkalinity Concentration: 1/89 - 8/93

Notes: Alkalinity concentrations at Vernalis are much higher than either Banks or Greene's Landing. Concentrations range around 100 mg/l with a low of about 50 and a high of over 140 mg/l. There is no apparent seasonal trend.

SACRAMENTO BASIN AGRICULTURAL DISCHARGES

Figure D-4 — Natomas East Main Drain Alkalinity Concentration: 10/89 -8/93

Notes: There is a great deal of range in these alkalinity concentrations from about 50 to 300 mg/l. The highest concentrations appear to be during the early part of the calendar year - but extend beyond the rain season.

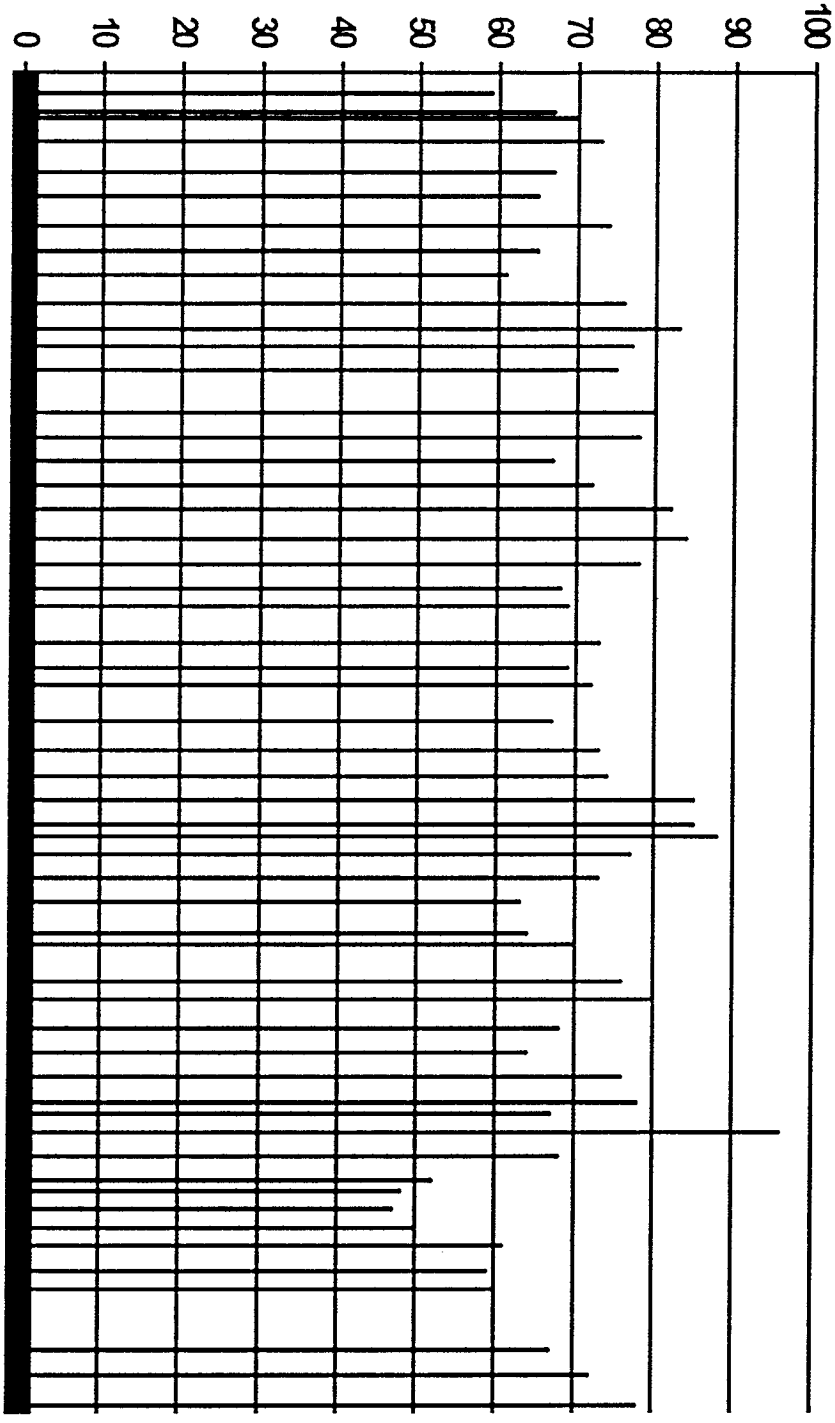

Figure D-1. Banks Pumping Plant Alkalinity Concentration, 1990-1994 (mg/l)

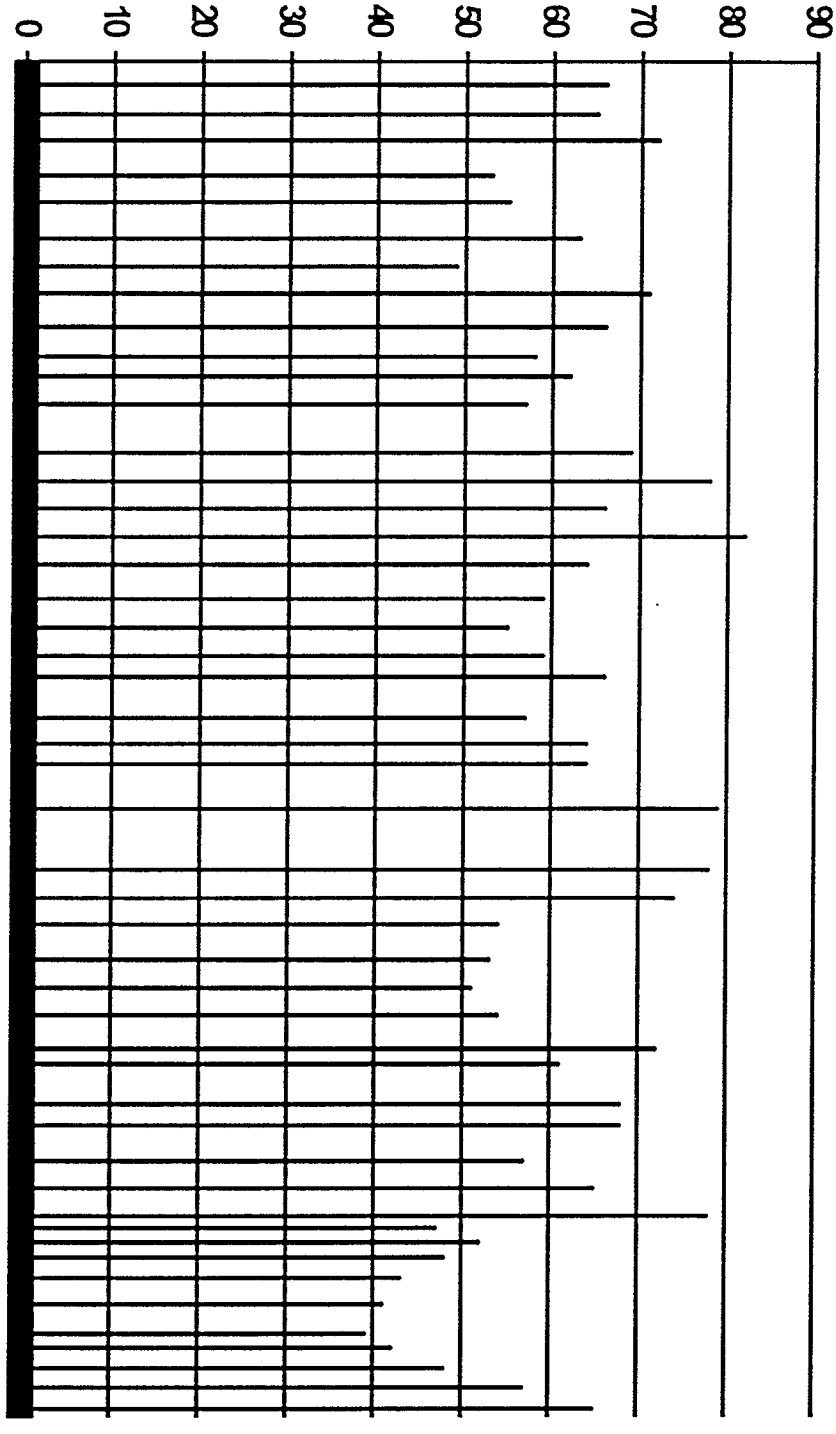

Figure D-2. Greens Landing Alkalinity Concentration, 1990-1993 (mg/l)

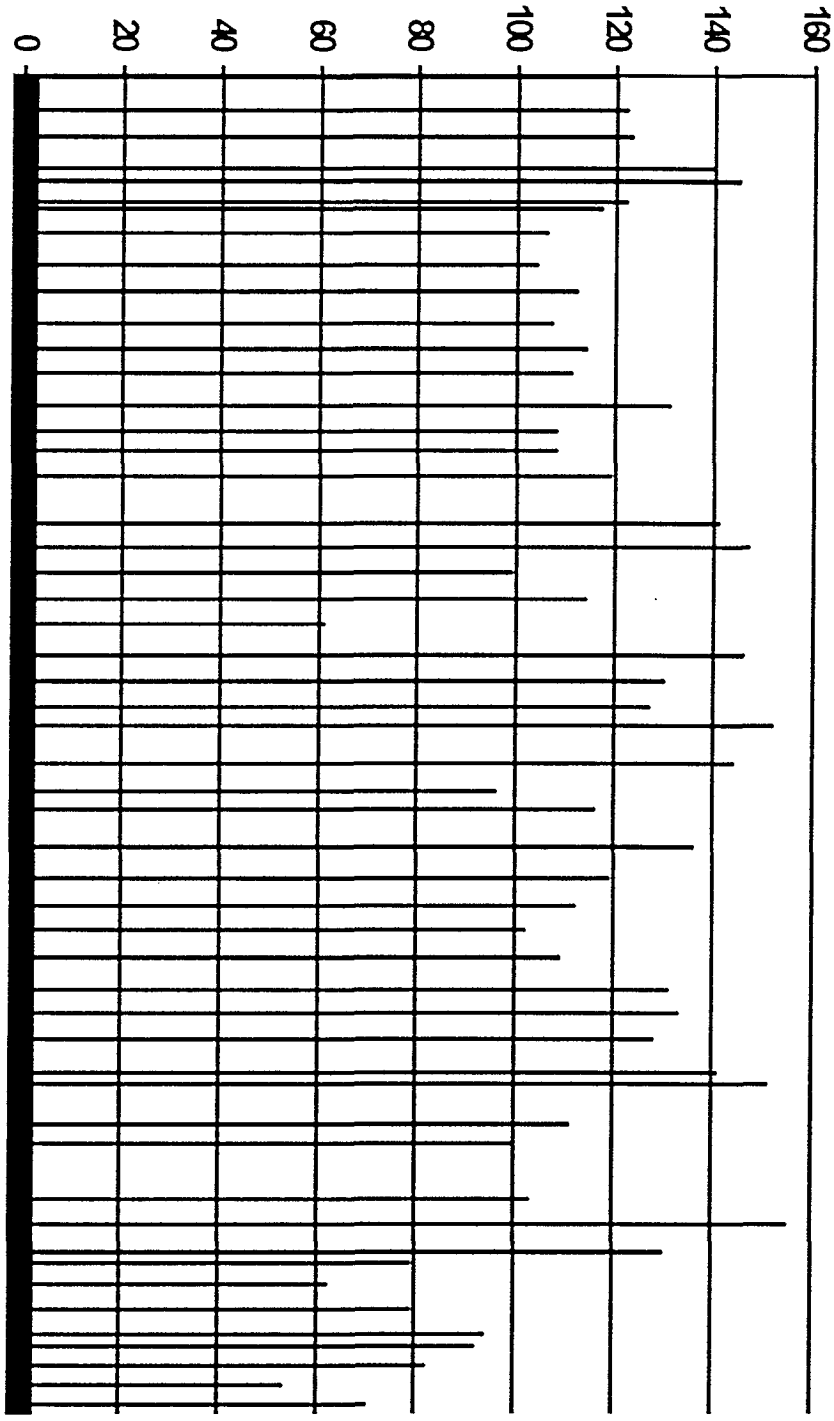

Figure D-3. Vernalis Alkalinity Concentration, 1989-1993 (mg/l)

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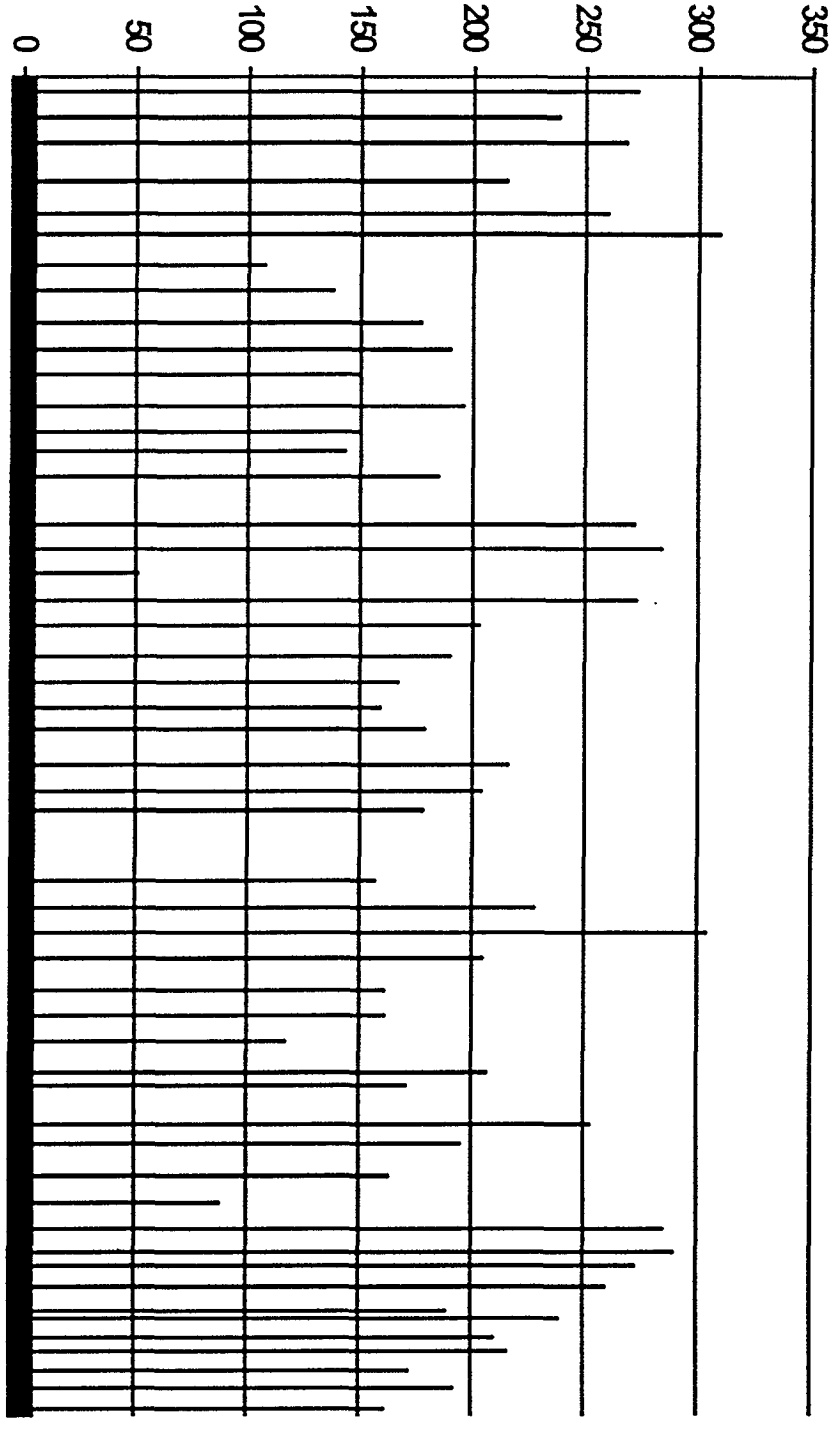

Figure D-4. Natoma East Main Drain Alkalinity Concentration, 1989-1993 (mg/l)

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